

JEBA SELVAN ANDREW P

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Objective

Machine Learning Engineer skilled in Python, AI model development, and data-driven problem solving. Experienced in building ML pipelines, training large language models, and developing AI-powered applications. Seeking to apply strong algorithmic, data analysis, and deployment skills to deliver innovative AI solutions

Skills & abilities

Technical Skills

- **Machine Learning:** Model training, evaluation, hyperparameter tuning
- **Python & ML Libraries:** Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn
- **Deep Learning:** PyTorch, TensorFlow
- **Natural Language Processing:** LLaMA, transformers, tokenization, LoRA fine-tuning
- **Data Handling:** SQL, NoSQL, data preprocessing, feature engineering
- **Version Control & Deployment:** Git, Flask, REST APIs
- Quantum Computing (IBM Qiskit)
- Speech Recognition (Vosk)
- Agile Methodologies

Projects

AI Voice Assistant (2025)

- Developed a **Flask-based AI assistant** integrating **Vosk** for speech recognition and **LLaMA 3** for text generation.
- Optimized model inference with **llama-cpp-python** for low-latency responses.

Rubik's Cube Solver (SECS++ V5.1) (2025)

- Designed a heuristic, phased solver using Python for a flat-dictionary cube representation.
Implemented custom move application logic and looped solving phases.

Education

B.E (Artificial Intelligence And Data Science) – (2022 – 2026)

Hindusthan Institute of Technology, Anna University (pursuing 7th semester) – 7.9* CGPA

12th Mahatma Mont,Mat,Hr,Sec,School –(2021 – 2022) 83.3%

Certifications & Awards

Basics Of Geo Spatial Data Analysis – North Eastern Space Application Centre Meghalaya (Department Of Space Government Of India)
NCC Cadet Sargent – Hindusthan Institute of Technology (Apr 2023 – Mar 2026)

Languages Known

English – Reading, Writing, and Speaking
Tamil – Reading, Writing, and Speaking